

Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

ADVENTURES IN SCIENCE AT THE SMITHSONIAN—E. John Long and George Weiner—*Smithsonian Institution*, 24 p., illus., paper, 25¢. A colorful glimpse of exhibits, ranging from dinosaurs to satellites, at the Institution.

ANALYSES OF SOIL FOUNDATION STUDIES—M. G. Spangler and others—*Highway Res. Bd.*, 93 p., illus., paper, \$2. Papers deal with the problem of construction over soft foundation soils.

THE COLLEGE WITH A MILLION CLASSROOMS—Robert Heilbroner—*Teachers College*, 16 p., illus., paper, free upon request direct from publisher, Columbia University, New York 27, N. Y.

DIETARY PREVENTION AND TREATMENT OF HEART DISEASE—John W. Gofman, Alex V. Nichols and E. Virginia Dobbin—*Putnam*, 256 p., illus., \$3.95. Two authorities on heart disease and a dietician explain and apply up-to-date knowledge of fat and cholesterol.

ELECTRONIC PUZZLES AND GAMES—Matthew Mandl—*Gernsback Library*, 128 p., illus., paper, \$1.95. Practical electronics for children—from 8 to 80.

FIFTY YEARS OF NEUROSURGERY: A Personal Story—Ernest Sachs—*Vantage*, 186 p., illus., \$3.50. Recollections of the early years of neurosurgery at the turn of the century.

GEORGIA BIRDS—Thomas D. Burleigh—*Univ. of Okla. Press*, 746 p., with paintings by George

Miksch Sutton, \$12.50. The U. S. Fish and Wildlife Service, the Georgia Ornithological Society and the Garden Club of Georgia cooperated in this work.

THE GOLDEN NUMBER: And the Scientific Aesthetics of Architecture—M. Borissavlievitch, preface by Louis Hauteceur—*Philosophical Lib.*, 91 p., illus., \$4.75. Discussing the difference between aesthetics and mathematics.

HOW TO GET INTO COLLEGE AND STAY THERE—J. Spencer Carlson and others, Eds.—*Science Res.*, 121 p., illus., paper, \$1.95. Discusses preparation for, choice of and cost of college education.

HOW TO SET UP A SEMESTER OR YEAR GUIDANCE COURSE—Wendell P. Hill—*Science Res.*, 29 p., paper, 50¢. Handbook for teachers describing what an 8th or 9th grader should know before planning his entire high school program. For use with guidance notebook: "Planning My Future."

LIVING SILVER—Burns Singer—*Houghton*, 232 p., illus., with drawings by Robert Frame, \$3.75. A poet and keen scientific observer of marine life reports on his experiences aboard trawlers and seiners.

THE LOW-FAT WAY TO HEALTH AND LONGER LIFE: The Complete Guide to Better Health Through Automatic Weight Control, Modern Nutritional Supplements, and Low-Fat Diet—Lester M. Morrison—*Prentice-Hall*, 212 p., \$4.95.

MORE MARVELS OF INDUSTRIAL SCIENCE—Buff W. Leyson—*Dutton*, 190 p., illus., \$3.50. Describes the application to industry and modern living of recent scientific research.

THE NEOLITHIC AGE IN EASTERN SIBERIA—Henry N. Michael—*Am. Philosophical Soc.*, 108 p., illus., paper, \$2.50. Attempts to show the pattern of complex cultural interplay with the regions surrounding Siberia—China, Central Asia, Eastern Europe, and North America.

NEW FRONTIERS IN CHILD GUIDANCE—Aaron H. Esmann, Ed.—*Jewish Board of Guardians (International Univ. Press)*, 218 p., \$4.00. A memorial tribute to the late Johan H. W. van Ophuizen who established the Child Guidance Institute.

NOMA GLOSSARY OF AUTOMATION TERMS—William J. Jacquette, Charles E. Ginder and Harry L. Baker, III—*National Office Management Assn.*, 35 p., paper, \$2. Good reference book on the new language of automation.

101 PUZZLES IN THOUGHT AND LOGIC—C. R. Wylie, Jr.—*Dover*, illus., paper, \$1. Logical puzzles that can be solved by pure reasoning.

ORBITAL DATA AND PRELIMINARY ANALYSES OF SATELLITES 1957 ALPHA AND 1957 BETA—F. L. Whipple and others—*Govt. Printing Office, Smithsonian*, 107 p., graphs, paper, \$1.

PLANNING MY FUTURE: A Workbook in Educational and Vocational Planning—Wendell P. Hill—*Science Res.*, 34 p., paper, 50¢. Coordinated counseling program for 8th or 9th graders.

PLUS ULTRA OR THE PROGRESS AND ADVANCEMENT OF KNOWLEDGE SINCE THE DAYS OF ARISTOTLE (1668)—Joseph Glanvill, introduction of the facsimile by Jackson I. Cope—*Scholars' Facsimiles & Reprints*, 155 p., \$7.50. Reproduces a controversial thesis of the 17th century when tradition still set moral theology above the vain curiosity of the naturalist.

PRINCIPLES OF FIELD BIOLOGY & ECOLOGY—Allen H. Benton and William E. Werner, Jr.—*McGraw-Hill*, 339 p., illus., \$6.50. A textbook for a beginning ecology and field biology course.

PRINCIPLES OF MODERN PHYSICS—A. P. French—*Wiley*, 355 p., illus., \$6.75. Traces the development of the concepts and theories of modern physics for the advanced undergraduate student.

RESEARCH MANAGEMENT: A Publication of the Industrial Research Institute, Vol. 1, No. 1—Charles M. Burrill, Ed.—*Interscience*, 64 p., quarterly, \$7.50 annually. A new forum for the latest ideas on research management discussed from the research administrator's point of view.

17 MILLION JOBS: The Story of Industry in Action—John Perry—*Whittlesey House*, 237 p., \$3.95. Surveys career opportunities.

SPACE BOOK FOR YOUNG PEOPLE—Homer E. Newell, Jr.—*Whittlesey House*, 114 p., illus., by Anna Marie Jauss, \$2.95. Supplies mathematics necessary for understanding space distances and rocket speeds.

SUGGESTIONS TO AUTHORS OF THE REPORTS OF THE UNITED STATES GEOLOGICAL SURVEY—Geological Survey (Govt. Printing Office), 5th ed., 255 p., \$1.75. The latest in a series of valuable manuals, the first of which was printed in 1888.

Science News Letter, June 14, 1958

ENTOMOLOGY

International Tick Meet Aimed at Disease Control

► AN INTERNATIONAL SET of ticks is assembling at Walter Reed Hospital.

Ticks from Egypt, the Sudan, the Belgian Congo and India have already arrived. Some may be coming from Russia, Israel and other African countries.

These insects are being gathered in order to conduct a research project directed at the control of diseases caused by blood-sucking ticks.

While they are breeding, their development and methods of reproduction are under constant study in the hope that some means of control may be found. Later, the ticks may yield clues to the nature of the diseases they transmit, so that effective vaccines can be developed.

Although infectious diseases are well under control in the United States, they run rampant in many of the countries to which our armed forces are sent, Maj. Herbert C. Barnett, chief of the department of entomology at the Walter Reed Army Institute of Research in Washington, said.

The tick is a dangerous insect, second in importance only to the mosquito as a transmitter of infectious diseases. Its bite can cause many varieties of rickettsial diseases, such as Rocky Mountain fever, and other virus diseases. Maj. Barnett's laboratory now has 13 species of ticks under study.

Scientists do not yet know the exact organisms that transmit the diseases. When the causal relationships of these diseases are worked out, it is hoped that work will get under way to develop vaccines to defeat the diseases.

One major problem the researchers face is the tick's ability to develop a strong resistance to insecticides. In addition, some species of tick are completely unaffected by any known insecticide.

Science News Letter, June 14, 1958

Tungsten-base alloys will be developed with useful strength up to a range of 3,400 degrees Fahrenheit.



WINS WRITING SUCCESS AT 56

"I enrolled in N.I.A. because I wanted to convince myself whether at 56 an old dog could learn new tricks. At my first try, I sent a manuscript to the New York Times and I was amazed when it was accepted. Another story was also sold to the Times."—Michael I. Passarelli, 25 Spring St., Milburn, N. J.

To People who want to write but can't get started

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